METCON Question

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a. Base reflectivity.
b. Base radial velocity.
c. Severe weather analysis.
d. Severe weather probability.

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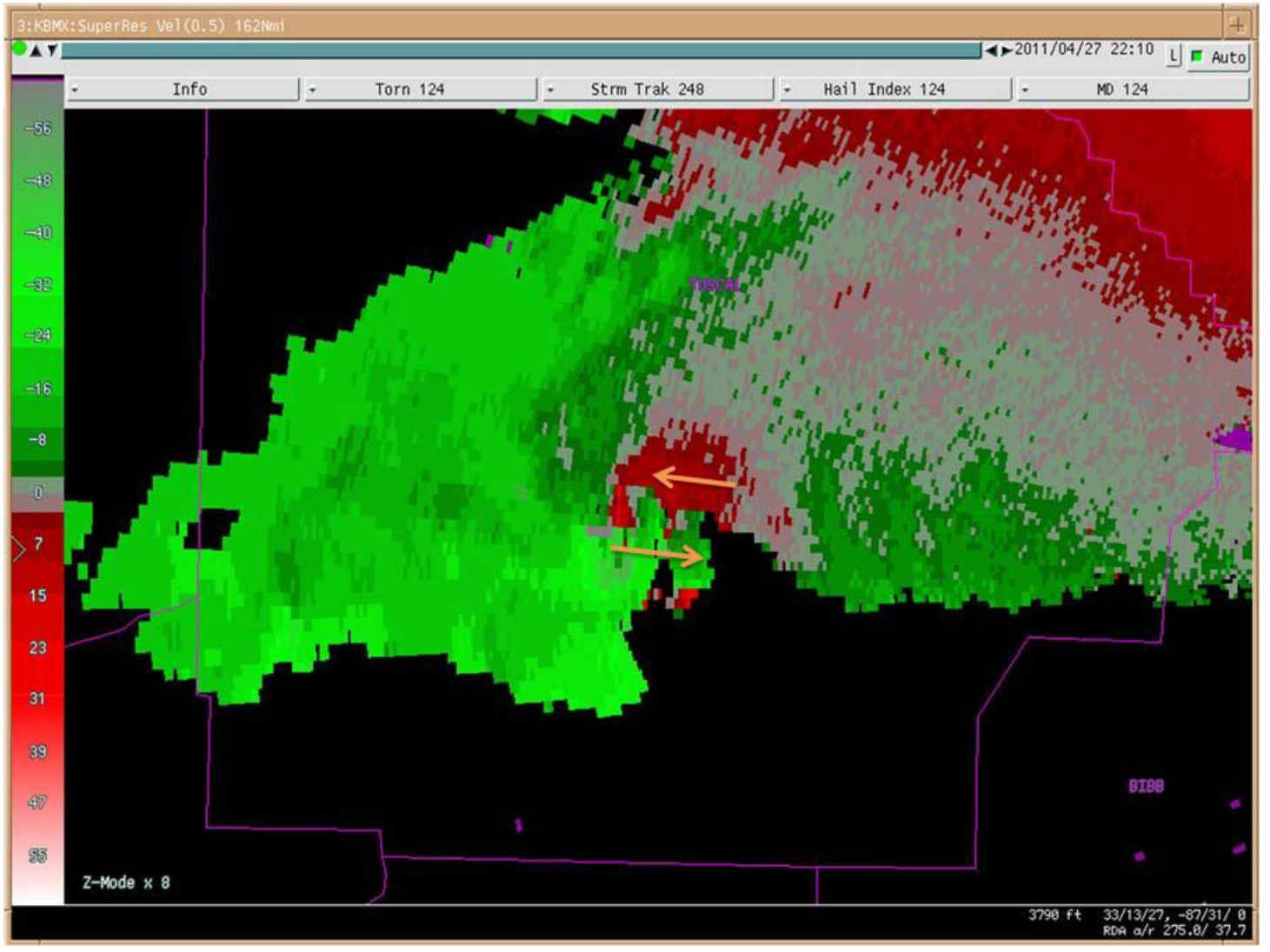
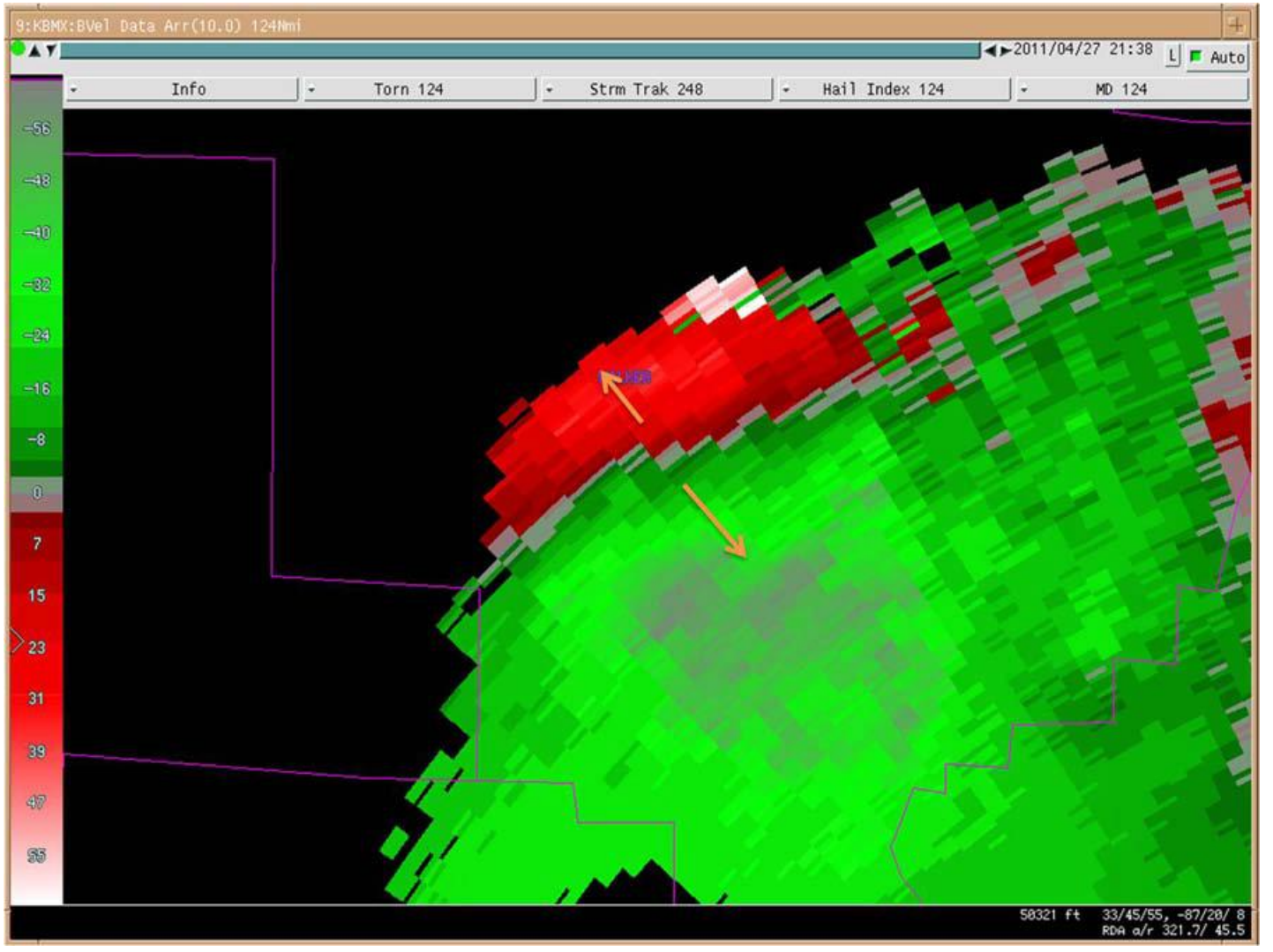
Rotation

- When the radar detects pure cyclonic rotation, the Doppler zero line is oriented parallel to the viewing direction



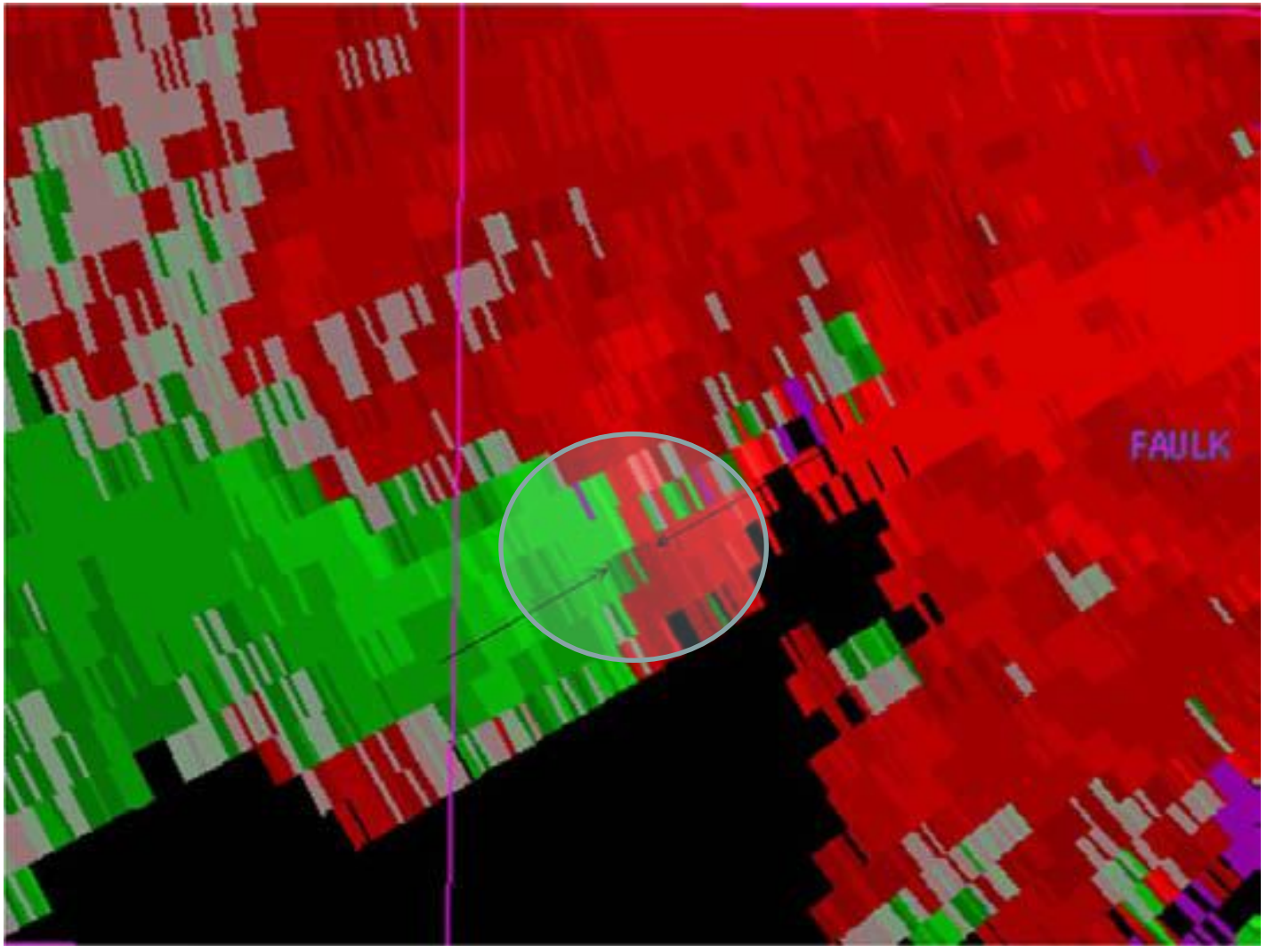
Divergence

- The radar is located to the southeast of the divergent couplet
- Divergent signatures are found near the storm top, above the updraft and near the ground in the precipitation downdraft



Convergence

- The radar is located to the northwest of the convergent couplet.
- Convergence signatures are normally found near the surface below the storm's updraft



Summary

- The only difference between the signatures is the direction at which you view them
- ***Knowing the location of the radar is crucial to identifying whether a storm signature is convergence, divergence, or rotation***